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rem l10,l14
FILE 'REGISTRY' ENTERED AT 15:48:29 ON 26 AUG 2008
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STRUCTURE FILE UPDATES:   25 AUG 2008  HIGHEST RN 1043631-35-1
DICTIONARY FILE UPDATES:  25 AUG 2008  HIGHEST RN 1043631-35-1

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TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

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experimental property data in the original document.  For information
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http://www.cas.org/support/stngen/stndoc/properties.html
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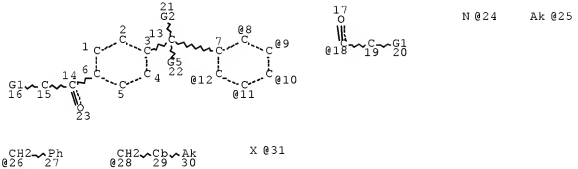
L5 STR

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GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 31

STEREO ATTRIBUTES: NONE
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100.0% PROCESSED 7398 ITERATIONS 14 ANSWERS
SEARCH TIME: 00.00.01

FILE 'CAPLUS' ENTERED AT 15:48:29 ON 26 AUG 23008
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FILE COVERS 1907 - 26 Aug 2008 VOL 149 ISS 9
FILE LAST UPDATED: 25 Aug 2008 (20080825/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

http://www.cas.org/legal/infopolicy.html
'OBI' IS DEFAULT SEARCH FIELD FOR 'CAPLUS' FILE

L5 STR
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L10 1 SEA FILE=CAPLUS ABB=ON L8

FILE 'MARPAT' ENTERED AT 15:48:29 ON 26 AUG 2008
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FILE CONTENT: 1961-PRESENT VOL 149 ISS 7 (20080822/ED)

SOME MARPAT RECORDS ARE DERIVED FROM INPI DATA FOR 1961-1987

MOST RECENT CITATIONS FOR PATENTS FROM MAJOR ISSUING AGENCIES
(COVERAGE TO THESE DATES IS NOT COMPLETE):

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US  20080167493 10 JUL 2008
DE 102007009957 03 JUL 2008
EP      1939208 02 JUL 2008
JP   2008159496 10 JUL 2008
WO   2008086729 24 JUL 2008
GB      2444641 11 JUN 2008
FR      2910897 04 JUL 2008
RU      2330028 27 JUL 2008
CA      2615024 14 JUN 2008

Expanded G-group definition display now available.

Effective December 15th the iteration and answer limits in MARPAT
have increased from 100,000 to 200,000 for both on-line and batch
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SLIMITS at an arrow prompt.


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L13           37 SEA FILE=MARPAT SSS FUL L5
L14           18 SEA FILE=MARPAT ABB=ON  L13/COMPLETE



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FILE 'MARPAT' ENTERED AT 15:48:29 ON 26 AUG 2008
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PROCESSING COMPLETED FOR L10
PROCESSING COMPLETED FOR L14
L15           18 DUP REM L10 L14 (1 DUPLICATE REMOVED)
                 ANSWER '1' FROM FILE CAPLUS
                 ANSWERS '2-18' FROM FILE MARPAT

=> d ibib abs hitstr 1;d ibib abs qhit 2-18; fil hom

L15  ANSWER 1 OF 18  CAPLUS  COPYRIGHT 2008 ACS on STN DUPLICATE 1
ACCESSION NUMBER:         2004:996227  CAPLUS  Full-text
DOCUMENT NUMBER:          141:425384
TITLE:                    Aromatic α-hydroxy ketones, α-alkoxy
                          ketones, and α-amino ketones for photoinitiators
INVENTOR(S):              Sommerlade, Reinhard H.; Huesler, Rinaldo; Ilg,
                          Stephan; Fuchs, Andre; Boulmaaz, Souad; Birbaum,
                          Jean-Luc
PATENT ASSIGNEE(S):       Ciba Specialty Chemicals Holding Inc., Switz.
SOURCE:                   PCT Int. Appl., 128 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
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     WO 2004099262        A1    20041118    WO 2004-EP50689        20040504
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CN	1784429	A	20060607	CN 2004-80011984	20040504
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MX	2005PA11543	A	20051214	MX 2005-PA11543	20051027
IN	2005CN03288	A	20070928	IN 2005-CN3288	20051206
PRIORITY APPLN. INFO.:				EP 2003-405318 A	20030506
				WO 2004-EP50689 W	20040504

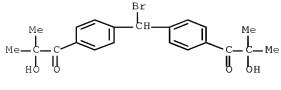
OTHER SOURCE(S): MARPAT 141:425384

AB Ketones with lower volatility than Irgacure 2959, useful for curing of coatings and inks, have 1-10 methylenebis(carbonylphenyl) groups with hydroxy, alkoxy, or amino groups substituted on a tertiary C alpha to the carbonyl groups and a heteroatom such as O, Cl, Br, N, and S bonded to the methylene group, such as bis[4-(2-hydroxy-2-methylpropionyl)phenyl]methano l (I). I was manufactured by Friedel-Crafts reaction of diphenylmethane with isobutyroyl chloride, bromination of the resulting intermediate with Br in CCl4, and hydrolysis of the resulting bis[4-(2-bromo-2-methylpropionyl)phenyl]bromomethane in water-dioxane mixture in presence of Bu4NBr and NaOH.

IT 793686-11-0P, Bis[4-(2-hydroxy-2-methylpropionyl)phenyl]bromomethane 793686-12-1P, Bis[4-(2-hydroxy-2-methylpropionyl)phenyl]methoxymethane 793686-14-3P, Bis[4-(2-hydroxy-2-methylpropionyl)phenyl]chloromethane 793686-15-4P 793686-16-5P 793686-17-6P 793686-18-7P 793686-19-8P 793686-20-1P 793686-21-2P 793686-22-3P 793686-27-8P
RL: CAT (Catalyst use); IMF (Industrial manufacture); PREP (Preparation); USES (Uses)
(aromatic α-hydroxy ketones, α-alkoxy ketones, and α-amino ketones for photoinitiators with low volatility for curing of inks and coatings)

RN 793686-11-0 CAPLUS

CN 1-Propanone, 1,1'-[(bromomethylene)di-4,1-phenylene]bis[2-hydroxy-2-methyl- (9CI) (CA INDEX NAME)



RN 793686-12-1 CAPLUS
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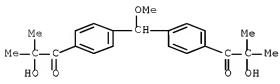

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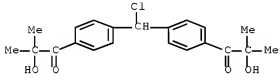
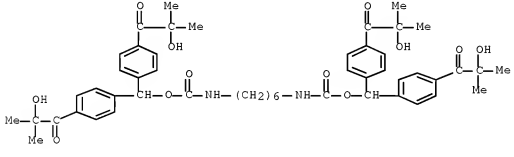


RN 793686-15-4 CAPLUS
CN Carbamic acid, 1,6-hexanediylbis-, bis[bis[4-(2-hydroxy-2-methyl-1-oxopropyl)phenyl]methyl] ester (9CI) (CA INDEX NAME)



RN 793686-16-5 CAPLUS
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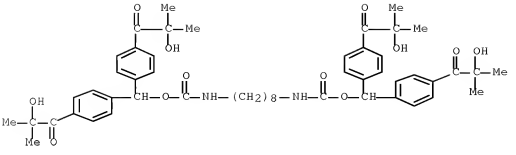

RN 793686-17-6 CAPLUS
CN Carbamic acid, 1,12-dodecanediylbis-, bis[bis[4-(2-hydroxy-2-methyl-1-oxopropyl)phenyl]methyl] ester (9CI) (CA INDEX NAME)

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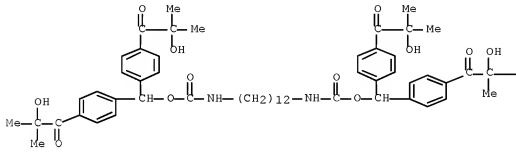
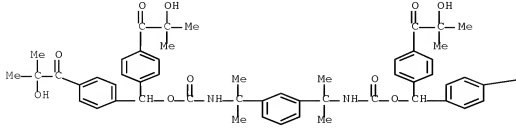


PAGE 1-B

—Me

RN 793686-18-7 CAPLUS
CN Carbamic acid, [1,3-phenylenebis(1-methylethylidene)]bis-, bis[bis[4-(2-hydroxy-2-methyl-1-oxopropyl)phenyl]methyl] ester (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

RN 793686-19-8 CAPLUS
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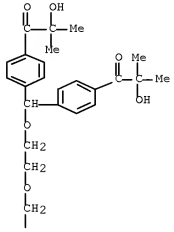
PAGE 1-A



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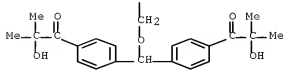

RN 793686-20-1 CAPLUS
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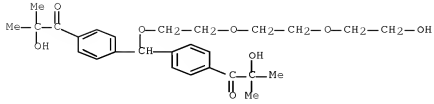
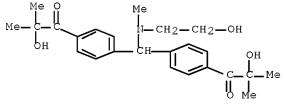


RN 793686-21-2 CAPLUS
CN 1-Propanone, 1,1'-[[[(2-hydroxyethyl)methylamino]methylene]di-4,1-phenylene]bis[2-hydroxy-2-methyl- (9CI) (CA INDEX NAME)



RN 793686-22-3 CAPLUS
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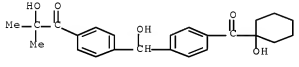

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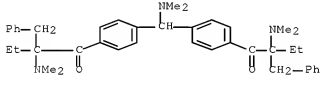
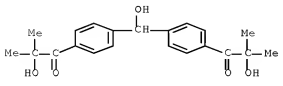


IT 793686-13-2P, Bis[4-(2-hydroxy-2-methylpropionyl)phenyl]methanol
793686-26-7P, 2-Dimethylamino-1-[4-[(dimethylamino)[4-(2-dimethylaminobutyryl)phenyl]methyl]phenyl]butan-1-one
RL: CAT (Catalyst use); IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(aromatic α-hydroxy ketones, α-alkoxy ketones, and α-amino ketones for photoinitiators with low volatility for curing of inks and coatings)

RN 793686-13-2 CAPLUS
CN 1-Propanone, 1,1'-[(hydroxymethylene)di-4,1-phenylene]bis[2-hydroxy-2-methyl- (9CI) (CA INDEX NAME)



RN 793686-26-7 CAPLUS
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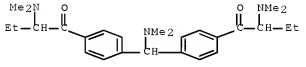

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 2 OF 18 MARPAT COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 144:150225 MARPAT Full-text
TITLE: Preparation of α-hydroxyketones and 1,1-disubstituted oxirane precursors.
INVENTOR(S): Sommerlade, Reinhard H.; Richter, Yvonne
PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
SOURCE: PCT Int. Appl., 50 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006005682	A2	20060119	WO 2005-EP53060	20050629
WO 2006005682	A3	20070125		

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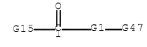
PRIORITY APPLN. INFO.: EP 2004-103236 20040708
EP 2005-756675 20050629
WO 2005-EP53060 20050629

OTHER SOURCE(S): CASREACT 144:150225

AB A process for the preparation of 1,1-disubstituted oxiranes comprises reaction of A1CH2S+RR1 X- [R = (substituted) alkyl; R1 = R, cycloalkyl, (substituted) Ph; RR1 = (substituted) (CH2)5-6; A1 = aryl; X- = suitable anion] with ketones in the presence of base and polar solvent. The above oxiranes may be converted into the corresponding α-hydroxyketones or α-aminoketones, either in 1 step by via aerobic oxidation in the presence of a transition metal catalyst, or in 2 steps by hydrolysis in the presence of an aqueous acid to the corresponding dialc. and subsequent selective oxidation Thus, PhCH2Cl and tetrahydrothiophene were heated in H2O at 85° under stirring. The solution was cooled to 20° and added dropwise to a mixture of 50% NaOH and acetone in MeOH to give 2,2-dimethyl-3-phenyloxirane. The latter was heated with a mixture prepared from Pd acetate and bathocuproin in H2O at 100° under O2 to give PhCOCMe2OH.

MSTP 6



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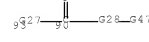

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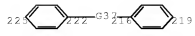

G28 = 319

G37 = CHOH
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Patent location: claim 17
Note: substitution is restricted
Note: additional substitution also claimed

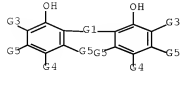
L15 ANSWER 3 OF 18 MARPAT COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 144:283136 MARPAT Full-text
TITLE: Heat-developable photographic material and manufacture of aliphatic acid silver salt particles
INVENTOR(S): Miyamoto, Kei
PATENT ASSIGNEE(S): Konica Minolta Medical & Graphic, Inc., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 66 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2006065058	A	20060309	JP 2004-248451	20040827

PRIORITY APPLN. INFO.: JP 2004-248451 20040827

AB The material has a light-sensitive layer containing photosensitive emulsion containing the aliphatic acid Ag salt particles and Ag halide particles, a Ag ion reducing agent, a binder, and a crosslinking agent. The material is characterized by the followings: (1) ≥80 mol% of the Ag salt particle comprises Ag behenate; (2) the emulsion is IR-sensitized; and (3) the binder has 46-200° glass transition temperature The material shows improved raw-stock stability and Ag image stability.

MSTP 1



G1 = 16

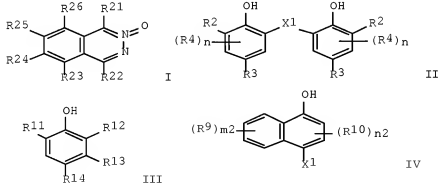
G2 = F
G5 = 51

Patent location: claim 2

L15 ANSWER 4 OF 18 MARPAT COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 143:163015 MARPAT Full-text
TITLE: Heat-developable photographic materials forming high-density stable images with good silver color and low fog
INVENTOR(S): Goto, Shigeto; Morita, Kiyokazu; Usakawa, Yasushi
PATENT ASSIGNEE(S): Konica Minolta Medical & Graphic, Inc., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 89 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005208103	A	20050804	JP 2004-11507	20040120

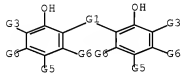
PRIORITY APPLN. INFO.: JP 2004-11507 20040120
GI



AB The materials have, on supports, imaging layers comprising organic Ag salts, Ag halides (with average diameter 10-50 nm and 55-100 nm; chemical sensitized

with chalcogen compds.), binders containing 55-100% hydrophobic binders and compds. I (R21-R26 = H, substituent), and reductants [e.g., II (X1 = chalcogen atom, CHR1; R1 = H, halo, alkyl, alkenyl, aryl, heterocyclic; R2 = alkyl; R3 = H, substituent; R4 = substituent; m, n = 0-2)]. The materials may contain compds. III (R11 = alkyl; R1 = H, alkyl, acylamino; R11, R12 ≠ 2-hydroxyphenylmethyl; R13 = H, alkyl; R14 = substituent) and/or IV or V (X1, X2 = H, substituent; R9-R11 = H, substituent; m2, p2 = 0-4; n2 = 0-2).

MSTR 2



G1 = 16

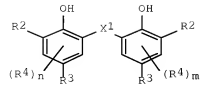
G2 = F
G6 = 43

Patent location: claim 2
Note: additional ring formation also claimed
Note: substitution is restricted

L15 ANSWER 5 OF 18 MARPAT COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 142:382079 MARPAT Full-text
TITLE: Heat-developable photographic films and method for image formation using the same
INVENTOR(S): Goto, Shigeto
PATENT ASSIGNEE(S): Konica Minolta Medical & Graphic, Inc., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 64 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005091989	A	20050407	JP 2003-327466	20030919
PRIORITY APPLN. INFO.:			JP 2003-327466	20030919

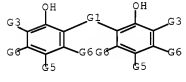
GI



I

AB The title film has an image forming layer containing organic silver salts, silver halides, a binder, and reducing agent on a support, wherein the reducing agent has general structure I(X1 = chalcogen, CHR1; R1 = H, halo, alkyl, etc.; R2 = alkyl; R3-4 = H, substituent; m, n = integer 0-2), wherein a fluoro compound, which has an alkyl group with C≥2 and with F≤11 and anionic or nonionic hydrophilic group, is disposed on the support, and wherein the ratio(Rz(E))/(Rz(B)) of the 10 points surface roughness of photog. side(Rz(E)) and the back(Rz(B)) is 0.1-0.7. The film shows good conveyance and provides images of high d., good storageability, and homogeneous d.

MSTR 1



G1 = 16

G2 = F
G6 = 43

Patent location: claim 1
Note: additional ring formation also claimed
Note: substitution is restricted

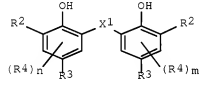
L15 ANSWER 6 OF 18 MARPAT COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 142:382088 MARPAT Full-text
TITLE: Heat-developable photosensitive material and method of forming image using the same
INVENTOR(S): Goto, Shigeto
PATENT ASSIGNEE(S): Konica Minolta Medical & Graphic, Inc., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 66 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005091843	A	20050407	JP 2003-325914	20030918

PRIORITY APPLN. INFO.: JP 2003-325914 20030918

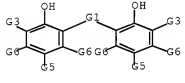
GI



I

AB Disclosed is a heat-developable photosensitive material containing a reducing agent I (X1 = chalcogen atom, CHR1; R1 = H, halo, alkyl; etc.; R2 = alkyl; R3 = H, substituent; R4 = substituent; and m, n = integer ≥2) in a photosensitive layer formed on a support and having an outermost layer on the image-forming side which is characterized by 0.10≤Rz(E)/Rz(B)≤0.50 (Rz (E) = 10-point average surface roughness of the outermost layer; and /Rz(B) = 10-point average surface roughness of the back layer).

MSTR 1



G1 = 16

G2 = F
G6 = 43

Patent location: claim 1
Note: additional ring formation also claimed
Note: substitution is restricted

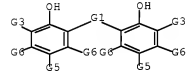
L15 ANSWER 7 OF 18 MARPAT COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 142:103051 MARPAT Full-text
TITLE: Heat-developable photographic materials with high density and good image stability and silver tone, and image formation method using them
INVENTOR(S): Goto, Shigeto
PATENT ASSIGNEE(S): Konica Minolta Medical & Graphic, Inc., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 83 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005003858	A	20050106	JP 2003-166251	20030611

PRIORITY APPLN. INFO.: JP 2003-166251 20030611

AB The photog. materials contain organic Ag salts, Ag halides, binders, and reducing agents AX1B [A, B = (un)substituted 2-OH-3-R2-Ph; X1 = chalcogen, CHR1; R1 = H, halo, alkyl, alkenyl, aryl, heteroring; R2 = alkyl; ≥1 of R2 = secondary or tertiary alkyl; substituent = any group substitutable on benzene ring] and yellow leuco dyes R123NX12Cp (R123 = CONHR124, COR124, CO2R124; R124 = alkyl, aryl, heteroring; X12 = aryl, heteroring; Cp = coupler residue). Heat-developable photog. materials containing yellow couplers and developing agents that react with the couplers to form color images are also claimed. The photog. materials may further contain fluorosurfactants.

MSTR 1



G1 = 16

G2 = halo
G6 = 43

Patent location: claim 1

Note: additional ring formation also claimed
Note: substitution is restricted

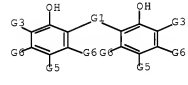
L15 ANSWER 8 OF 18 MARPAT COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 142:103050 MARPAT Full-text
TITLE: Heat-developing photographic material with high density and good image stability and silver tone, and image formation method using them
INVENTOR(S): Goto, Shigeto; Morita, Kiyokazu
PATENT ASSIGNEE(S): Konica Minolta Medical & Graphic, Inc., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 98 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005003857	A	20050106	JP 2003-166250	20030611

PRIORITY APPLN. INFO.: JP 2003-166250 20030611

AB The photog. material having an image formation layer that comprises organic Ag salts, Ag halides, binders, and reducing agents AX1B [A, B = (un)substituted 2-OH-3-R2-Ph; X1 = chalcogen, CHR1; R1 = H, halo, alkyl, alkenyl, aryl, heteroring; R2 = alkyl; ≥1 of R2 = secondary or tertiary alkyl; substituent = any group substitutable on benzene ring] contains ≥2 different types of couplers selected from yellow, magenta, and cyan couplers. Heat-developable photog. materials containing ≥2 different types of dyes selected from yellow, magenta, and cyan leuco dyes are also claimed. The photog. materials may further contain fluorosurfactants.

MSTR 1



G1 = 16

G2 = halo
G6 = 43

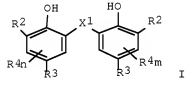
Patent location: claim 1
Note: additional ring formation also claimed

Note: substitution is restricted

L15 ANSWER 9 OF 18 MARPAT COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 142:65196 MARPAT Full-text
TITLE: Heat-developable photographic materials containing bisphenol compound reducing agent
INVENTOR(S): Goto, Shigeto
PATENT ASSIGNEE(S): Konica Minolta Medical & Graphic, Inc., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 65 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004361461	A	20041224	JP 2003-156394	20030602

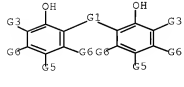
PRIORITY APPLN. INFO.: JP 2003-156394 20030602
GI



I

AB The material comprises a support coated with an image forming layer containing organic Ag salt, Ag halide, binder, and a reducing agent I [X1 = chalcogen, CHR1; R1 = H, halo, alkyl, alkenyl, aryl; heterocycle; R2 = alkyl, ≥1 of R2 = sec- or tert-alkyl; R3 = H, substituent; R4 = substituent; m, n = 0-2], and contains (R9X3CO)CR11(ZM+Y-)(CH2)pCR12R13(COX4R10) [R9, R10 = (un)substituted alkyl, ≥1 of R9 and R10 = fluoroalkyl; R11, R12, R13 = H, substituent; X3-4, Z = divalent linkage, bond; M+ = cationic substituent; Y- = counter anion; p = 0,1] in one of the layers. The material shows good conveyance, gives high d. and low fog images, and fingerprint stain is prevented.

MSTR 1



G1 = 16

G2 = halo
G6 = 43

Patent location: claim 1
Note: additional ring formation also claimed
Note: substitution is restricted

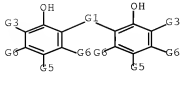
L15 ANSWER 10 OF 18 MARPAT COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 142:45827 MARPAT Full-text
TITLE: Heat-developable photographic material containing bisphenol compound and fluorine surfactant and image formation method using it
INVENTOR(S): Goto, Shigeto
PATENT ASSIGNEE(S): Konica Minolta Medical & Graphic, Inc., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 62 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004354461	A	20041216	JP 2003-149028	20030527

PRIORITY APPLN. INFO.: JP 2003-149028 20030527

AB The material has at least an image-forming layer (A) containing an organic Ag salt, a Ag halide, a binder, and the compound AX1B [A, B = (un)substituted 2-OH-3-R2-5-R3-Ph; X1 = chalcogen, CHR1; R1 = H, halo, alkyl, alkenyl, aryl, heterocycle; R2 = alkyl; ≥1 R2 = secondary or tertiary alkyl; R3 = H, substituent; R4 = substituent] as a reducing agent and ≥1 layer (B) containing the surfactant X2CH(CHX3COOR5)COO(CH2)nRf (R5 = C6-24 (un)substituted alkyl; Rf = C1-6 perfluoroalkyl; X2, X3 = H, SO3M; M = cation; n = 1-6) on a support on the same or opposite side of A. It satisfies that Rz(E)/Rz(B) = 0.1-0.7 [Rz(E), Rz(B) = 10-point-average roughness of uppermost surfaces on the same and opposite sides of A, resp.]. Images are formed by heating the material at conveying speed 10-200 mm/s at a development site, between a material-supplying site and an exposing site, and at an imagewise exposing site. The material shows high d., reduced fog increase with age, improved traveling properties, and reduced d. unevenness on heat development.

MSTP 1



G1 = 16

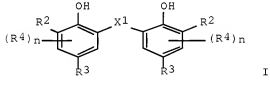
G2 = halo
G6 = 43

Patent location: claim 2
Note: additional ring formation also claimed
Note: substitution is restricted

L15 ANSWER 11 OF 18 MARPAT COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 142:13611 MARPAT Full-text
TITLE: Heat-developable photographic material containing bisphenol derivative reducing agent and magenta leuco dye and image formation
INVENTOR(S): Goto, Shigeto; Morita, Kiyokazu
PATENT ASSIGNEE(S): Konica Minolta Medical & Graphic, Inc., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 97 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004334087	A	20041125	JP 2003-132914	20030512

PRIORITY APPLN. INFO.: JP 2003-132914 20030512
GI

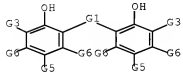


I

AB The material has an image forming layer containing an organic Ag salt, a Ag halide, a binder, the bisphenol derivative reducing agent I (X1 = chalcogen atom, CHR1; R1 = H, halo, alkyl, alkenyl, aryl, heterocycle; R2 = alkyl; R3 = H, group to be substituted to benzene; R4 = group to be substituted to benzene; m, n = 0-2), and (1) the magenta dye forming leuco dye or (2) a magenta coupler and a color developer. It is processed at 10-200 mm/s conveying speed at a developing unit, between a material feeding unit and an

imagewise exposing unit, and at the imagewise exposing unit, resp. by using a heat-developing device. It shows high d. and improved Ag tone, image stability, traveling properties, and environmental suitability, preventing d. unevenness.

NSTR 1



G1 = 16

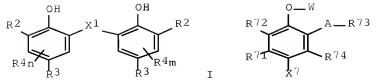
G2 = halo
G6 = 43

Patent location: claim 2
Note: additional ring formation also claimed
Note: substitution is restricted

L15 ANSWER 12 OF 18 MARPAT COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 141:372712 MARPAT Full-text
TITLE: Heat-developable photographic material containing reducing agent and coupler, and image-forming method
INVENTOR(S): Goto, Shigeto
PATENT ASSIGNEE(S): Konica Minolta Holdings, Inc., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 79 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004294924	A	20041021	JP 2003-89351	20030327
US 20040229175	A1	20041118	US 2004-806841	20040323
US 7163782	B2	20070116		
US 20060177783	A1	20060810	US 2006-401344	20060410
PRIORITY APPLN. INFO.:			JP 2003-89351	20030327
			JP 2003-89350	20030327
			US 2004-806841	20040323

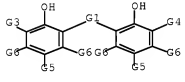
GI



I II

AB Disclosed is the heat-developable photog. material comprising an organic Ag salt, Ag halide, a binder, a reducing agent, a coupler, and a developing agent for forming a color upon reaction with the coupler, wherein the reducing agent includes a compound represented by I (X1 = chalcogen atom, CHR1; R1 = H, halo, alkyl, etc.; R2 = alkyl; R3 = H, substituent; R4 = substituent; and m, n = 0-2), the coupler includes II (R71 = H, halo, alky, etc.; A = NHCO, CONH, etc.; R73 = alkyl, heterocyclyl; W = H, etc.; R72, R74 = H, halo, alkyl, alkoxy, etc.; and X7 = H, leaving group), and an image gives the sum of the maximum d. 0.01-0.50 at the maximum absorption wavelength of the image formed by the reaction of the developing agent and the coupler. Also disclosed is the process which is carried out at speeds of 10-200 mm/s at the heat-development section, 10-200 mm/s between the film supplying section and the exposure section, and 10-200 mm/s at the image exposure section. The use of the compound provided excellent high temperature storage stability.

MSTR 1

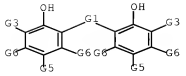


G1 = 16

G2 = F
G6 = 43

Patent location: claim 1
Note: additional ring formation also claimed

MSTP 3



G1 = 16

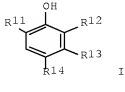
G2 = F
G6 = 43

Patent location: claim 2
Note: additional ring formation also claimed

L15 ANSWER 13 OF 18 MARPAT COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 141:372708 MARPAT Full-text
TITLE: Heat-developable photographic material and image-forming method
INVENTOR(S): Goto, Shigeto
PATENT ASSIGNEE(S): Konica Minolta Holdings, Inc., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 79 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004294923	A	20041021	JP 2003-89350	20030327
US 20040229175	A1	20041118	US 2004-806841	20040323
US 7163782	B2	20070116		
US 20060177783	A1	20060810	US 2006-401344	20060410
PRIORITY APPLN. INFO.:			JP 2003-89350	20030327
			JP 2003-89351	20030327
			US 2004-806841	20040323

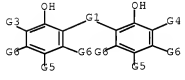
GI



I

AB Disclosed is the heat-developable photog. material comprising an organic Ag salt, Ag halide, a binder, a reducing agent, a coupler, a developing agent for forming a color upon reaction with the coupler, and a compound represented by I (R11 = alkyl; R12 = H, alkyl, acylamino; R13 = H, alkyl; and R14 = substituent) and giving the sum of the maximum d. 0.01-0.50 at the maximum absorption wavelength of a dye image formed by the reaction of the developing agent and the coupler. Also disclosed is the process which is carried out at speeds of 10-200 mm/s at the heat-development section, 10-200 mm/s between the film supplying section and the exposure section, and 10-200 mm/s at the image exposure section. The use of the compound provided excellent high temperature storage stability.

MSTR 3

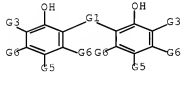


G1 = 16

G2 = F
G6 = 43

Patent location: claim 4
Note: additional ring formation also claimed

MSTR 4



G1 = 16

G2 = F

G6 = 43

Patent location: claim 5
Note: additional ring formation also claimed

L15 ANSWER 14 OF 18 MARPAT COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 136:309922 MARPAT Full-text
TITLE: Preparation of benzoxazolyl piperidines and analogs as rotamase enzyme inhibitors
INVENTOR(S): Kemp, Mark Ian; Palmer, Michael John; Sanner, Mark Allen; Wythes, Martin James
PATENT ASSIGNEE(S): Pfizer Inc., USA
SOURCE: U.S., 43 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6372736	B1	20020416	US 1999-358107	19990721
US 6562964	B1	20030513	US 2002-56901	20020123
PRIORITY APPLN. INFO.:			GB 1998-15880	19980721
			US 1999-358107	19990721

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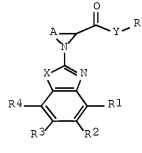

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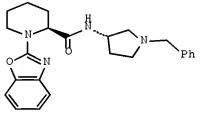
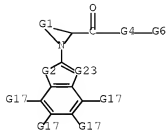


II

AB Title compds. [I; A = (un)substituted unbranched C3-C5 alkylene; X and Y = independently O, S, NH, or N-alkyl; R = (un)substituted, C-linked, 4- to 6-membered, non-aromatic, heterocyclic ring containing 1 N; R1-R4 = independently H, halo, (cyclo)alkyl, haloalkyl, (cyclo)alkoxy, CONR5R6, cycloalkylalkylene, cycloalkylalkoxy, or CO2R7; R5 and R6 = independently H, alkyl, or taken together = unbranched alkylene; R7 = alkyl] were prepared as rotamase enzyme inhibitors, particularly FKBP-12 and FKBP-52 inhibitors. Thus, (2S)-1-(1,3-benzoxazol-2-yl)-2-piperidinecarboxylic acid (preparation given) was amidated with (3S)-1-benzylpyrrolidine-3-ylamine in the presence of 1-hydroxybenzotriazole hydrate and 1-(3- dimethylaminopropyl)-3-ethylcarbodiimide.HCl in CH2C12 to yield II. Twenty-one compds. of the

invention demonstrated inhibitory activity against human recombinant FKBP-12 in a coupled colorimetric PPIase in vitro assay with IC50 values below 1200 nM, and II inhibited the rotamase enzyme FKBP-52 in a similar assay with IC50 = 2790 nM. As neurotrophic agents, the invention compds. promote neuronal regeneration and outgrowth and are useful for the treatment of neurodegenerative diseases or other disorders involving nerve damage.

MSTP 1



G6 = heterocycle <containing 4-6 atoms, 1 heteroatom, 1 N (no other heteroatoms), 3-5 C, attached through 1 or more C, 4- to 6-membered monocyclic ring> (opt. substd. by (1-3) G7)
G7 = alkyl <containing 1-6 C> (opt. substd. by (1-2) G12)
G8 = alkoxy <containing 1-6 C> / 21

$_{21}$C(O)-G10

G12 = 29

$_{29}$C(O)-G16

G16 = Ph (opt. substd. by (1-3) G8)
Patent location: claim 1

REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 15 OF 18 MARPAT COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 132:293771 MARPAT Full-text
TITLE: Preparation of quinazolines as VEGF receptor tyrosine kinase inhibitors
INVENTOR(S): Hennequin, Laurent Francois Andre; Pasquet, Georges
PATENT ASSIGNEE(S): Zeneca Limited, UK; Zeneca-Pharma S.A.
SOURCE: PCT Int. Appl., 107 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000021955	A1	20000420	WO 1999-GB3295	19991005
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2344290	A1	20000420	CA 1999-2344290	19991005
AU 9961128	A	20000501	AU 1999-61128	19991005
AU 756556	B2	20030116		
BR 9914326	A	20010626	BR 1999-14326	19991005
EP 1119567	A1	20010801	EP 1999-947758	19991005
EP 1119567	B1	20050504		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002527436	T	20020827	JP 2000-575861	19991005
NZ 510434	A	20031031	NZ 1999-510434	19991005
AT 294796	T	20050515	AT 1999-947758	19991005
ES 2241324	T3	20051016	ES 1999-947758	19991005
ZA 2001002655	A	20020930	ZA 2001-2655	20010330
MX 2001PA03468	A	20010731	MX 2001-PA3468	20010404
NO 2001001739	A	20010607	NO 2001-1739	20010406
NO 322644	B1	20061113		
US 7262201	B1	20070828	US 2001-806836	20010612
HK 1039126	A1	20050930	HK 2002-100744	20020130
PRIORITY APPLN. INFO.:			EP 1998-402496	19981008
			WO 1999-GB3295	19991005

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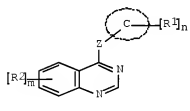

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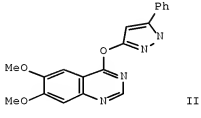
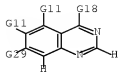


II

AB The title compds. [I; ring C = 5-6 membered heterocyclic moiety; Z = O, NH, S, CH2; R1 = H, alkyl, alkoxymethyl, etc.; n = 0-5; m = 0-3; R2 = H, OH, halo, etc.] and their salts which inhibit the effects of VEGF , and therefore useful in the production of an antiangiogenic and/or vascular permeability reducing effect in warm-blooded animals, were prepared and formulated. E.g., a multi-step synthesis of quinazoline II was given. Compds. I are effective at 1-50 mg/kg/day.

MSTR 1



G1 = heterocycle <containing 1-3 heteroatoms,
zero or more N, zero or more O,
zero or more S (no other heteroatoms),
(1) 5- or more membered ring, (1) up to 6-membered ring>
(opt. substd. by (up to 5) G3)
G3 = alkyl <containing 2-4 C> (substd. by (up to 5) G9)
G9 = Ph (opt. substd. by (up to 5) G10)
G10 = 369 / NH2 / CO2H

G18 = 11

Derivative: or salts
Patent location: claim 1
Note: also incorporates claim 15, formulas III, V, and IX

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 16 OF 18 MARPAT COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 132:137377 MARPAT Full-text
TITLE: Preparation of benzoxazolyl piperidines and analogs as rotamase enzyme inhibitors
INVENTOR(S): Kemp, Mark Ian; Palmer, Michael John; Sanner, Mark Allen; Wythes, Martin James
PATENT ASSIGNEE(S): Pfizer Limited, UK; Pfizer Inc.
SOURCE: PCT Int. Appl., 131 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000005232	A1	20000203	WO 1999-IB1211	19990628
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW				

RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

CA 2338214	A1	20000203	CA 1999-2338214	19990628	
CA 2338214	C	20060801			
AU 9942858	A	20000214	AU 1999-42858	19990628	
AU 765925	B2	20031002			
BR 9912330	A	20010417	BR 1999-12330	19990628	
EP 1100797	A1	20010523	EP 1999-963123	19990628	
EP 1100797	B1	20030226			

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI, LT, LV, FI, RO

TR 200100135	T2	20010621	TR 2001-135	19990628	
HU 2001003413	A2	20020529	HU 2001-3413	19990628	
HU 2001003413	A3	20021028			
EE 200100044	A	20020617	EE 2001-44	19990628	
JP 2002521382	T	20020716	JP 2000-561188	19990628	
JP 3795329	B2	20060712			
NZ 508838	A	20021220	NZ 1999-508838	19990628	
AT 233261	T	20030315	AT 1999-963123	19990628	
ES 2191484	T3	20030901	ES 1999-963123	19990628	
NZ 522270	A	20040326	NZ 1999-522270	19990628	
CN 1511837	A	20040714	CN 2003-10123907	19990628	
CN 1611499	A	20050504	CN 2004-10039974	19990628	
TW 229672	B	20050321	TW 1999-88111868	19990713	
NO 2001000322	A	20010315	NO 2001-322	20010119	
HR 2001000052	A1	20011231	HR 2001-52	20010119	
MX 2001PA00829	A	20010930	MX 2001-PA829	20010123	
BG 105254	A	20011031	BG 2001-105254	20010214	
JP 2004002374	A	20040108	JP 2003-105099	20030409	

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JP 2000-561188 19990628
NZ 1999-508838 19990628
WO 1999-IB1211 19990628

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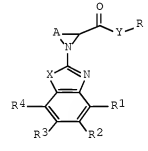

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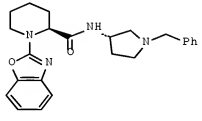
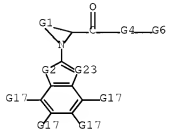


II

AB Title compds. (I) [wherein A = (un)substituted unbranched C3-C5 alkylene; X and Y = independently O, S, NH, or N-alkyl; R = (un)substituted, C-linked, 4- to 6-membered, non-aromatic, heterocyclic ring containing 1 N; R1-R4 = independently H, halo, (cyclo)alkyl, haloalkyl, (cyclo)alkoxy, CONR5R6, cycloalkylalkylene, cycloalkylalkoxy, or CO2R7; R5 and R6 = independently H, alkyl, or taken together = unbranched alkylene; R7 = alkyl] were prepared as rotamase enzyme inhibitors, particularly FKBP-12 and FKBP-52 inhibitors. Thus, (2S)-1-(1,3-benzoxazol-2-yl)-2-piperidinecarboxylic acid (preparation given) was amidated with (3S)-1-benzylpyrrolidine-3-ylamine in the presence of

1-hydroxybenzotriazole hydrate and 1-(3- dimethylaminopropyl)-3-ethylcarbodiimide.HCl in CH2Cl2 to yield II. Twenty-one compds. of the invention demonstrated inhibitory activity against human recombinant FKBP-12 in a coupled colorimetric PPIase in vitro assay with IC50 values below 1200 nM, and II inhibited the rotamase enzyme FKBP-52 in a similar assay with IC50 = 2790 nM. As neurotrophic agents, the invention compds. promote neuronal regeneration and outgrowth and are useful for the treatment of neurodegenerative diseases or other disorders involving nerve damage.

MSTR 1



G6 = heterocycle <containing 4-6 atoms, 1 heteroatom, 1 N (no other heteroatoms), 3-5 C, attached through 1 or more C, 4- to 6-membered monocyclic ring> (opt. substd. by (1-3) G7)
G7 = alkyl <containing 1-6 C> (opt. substd. by (1-2) G12)
G8 = alkoxy <containing 1-6 C> / 21

$_{21}^{C(O)-G10}$

G12 = 29

$_{29}^{C(O)-G16}$

G16 = Ph (opt. substd. by (1-3) G8)
Derivative: or pharmaceutically acceptable salts
Patent location: claim 1

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 17 OF 18 MARPAT COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 127:190650 MARPAT Full-text
TITLE: Preparation of dihydropyridines, pyridines, benzopyranones, and triazoloquinazolines for use as adenosine receptor antagonists
INVENTOR(S): Jacobson, Kenneth A.; Jiang, Ji-Long; Kim, Yong-Chul; Karton, Yishai; Van Rhee, Albert M.
PATENT ASSIGNEE(S): United States Dept. of Health and Human Services, USA
SOURCE: PCT Int. Appl., 138 pp.

CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9727177	A2	19970731	WO 1997-US1252	19970129
WO 9727177	A3	19971113		
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2244774	A1	19970731	CA 1997-2244774	19970129
CA 2244774	C	20061017		
AU 9722466	A	19970820	AU 1997-22466	19970129
AU 709190	B2	19990826		
EP 885192	A1	19981223	EP 1997-905627	19970129
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2000516910	T	20001219	JP 1997-527065	19970129
US 6066642	A	20000523	US 1998-117598	19981207
AU 9957171	A	20000217	AU 1999-57171	19991101
AU 755525	B2	20021212		
PRIORITY APPLN. INFO.:			US 1996-10737P	19960129
			US 1996-21191P	19960703
			WO 1997-US1252	19970129

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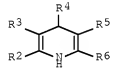

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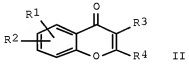
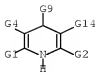


II

AB Dihydropyridines I [R2 = alkyl, haloalkyl, phenyl; R3 = alkyl, alkoxycarbonyl, alkylthiocarbonyl, alkylaminocarbonyl, alkyloxy; R2R3 = ring with 2 - 4 methylene groups; R4 = alkyl, aryl, alkenyl, alkylamino, alkyloxy, alkynyl; R5 = alkyloxycarbonyl, aryl, alkylthio, hydroxy, alkylamino; R6 = Ph, naphthyl], benzopyranones II [R1 = R3 = H, hydroxy, alkyloxy, alkylcarbonyloxy; R2 = H, hydroxy, alkyloxy, alkylcarbonyloxy, alkenyloxy; R4 = Ph, styryl, phenylbutadienyl, phenylacetylenyl, iminomethyl], as well as pyridines and triazoloquinazolines, were prepared for pharmaceutical uses which involve blocking adenosine receptors such as treatment of cancer, inflammation, and asthma. Thus, 3,5,7- trimethoxyflavone was prepared by methylation of galangin with di-Me sulfate and gave Ki values of 0.509 ± 0.049, 6.45 ± 1.48, and 1.21 ± 0.30 μM for A1, A2a, A3 receptors, resp., when tested for displacement of specific [3H]PIA binding in rat brain membranes.

MSTP 1



G14 = alkoxycarbonyl <containing 1-6 C>
(opt. substd. by G15)
G15 = Ph (opt. substd. by 1 or more G16)
G16 = CF3 / NO2 / alkylaminocarbonyl <containing 1-6 C>
(substd. by NH2)
Derivative: or pharmaceutically acceptable salts
Patent location: claim 1

L15 ANSWER 18 OF 18 MARPAT COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 121:267857 MARPAT Full-text
TITLE: Benzyl-substituted photoactive compounds and photoresist compositions comprising same
INVENTOR(S): Sinta, Roger F.; Barclay, George; Rajaratnam, Martha M.
PATENT ASSIGNEE(S): Shipley Co. Inc., USA
SOURCE: U.S., 9 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5344742	A	19940906	US 1993-50920	19930421

PRIORITY APPLN. INFO.: US 1993-50920 19930421
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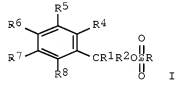
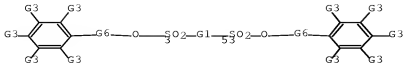


I

AB The benzyl-substituted photoactive compds. are I [R = alkyl, alkoxy, aralkyl, and aryl; R1 and R2 = H, halo, cyano, alkyl, alkoxy, alkenyl, alkynyl, aralkyl, aryl; R4, R5, R6, R7 and R8 = H, halo, hydroxy, cyano, alkanoyl, carboxyl, sulfonyl, alkyl, alkenyl, alkynyl, aralkyl and aryl, wherein at least one of R4, R5, R6, R7 and R5 is other than H]. The photoactive compds. are particularly suitable for chemical amplified pos.-acting and neg.-acting compns.

MSTR 2



G3 = OH / CO2H
G6 = 1

G7 = F
Patent location: claim 21

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SEARCH HISTORY

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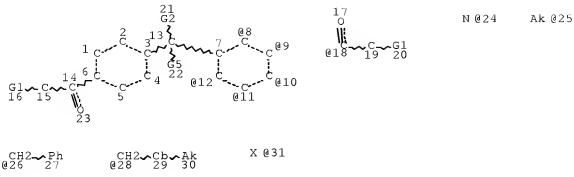


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NSPEC   IS RC     AT  19
NSPEC   IS RC     AT  24
CONNECT IS E1  RC AT  25
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MLEVEL  IS CLASS  AT  25 29 30 31
GGCAT   IS MCY  LOC  UNS  AT  29
DEFAULT ECLEVEL IS LIMITED

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NUMBER OF NODES IS  31

STEREO ATTRIBUTES: NONE
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                SEL RN

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L5              STR L3
L6            0 SEA SSS SAM L5
L7         7398 SEA SSS FUL L5 EXTEND
L8           14 SEA SSS FUL L5
                SAVE TEMP L8 TRE952FULL/A
L9           14 SEA ABB=ON  L8 AND L2

     FILE 'CAPLUS' ENTERED AT 15:39:31 ON 26 AUG 2008
L10           1 SEA ABB=ON  L8

     FILE 'MARPAT' ENTERED AT 15:39:42 ON 26 AUG 2008
L11           1 SEA SSS SAM L5
                D SCAN
L12      115942 SEA SSS FUL L5 EXTEND
L13          37 SEA SSS FUL L5
L14          18 SEA ABB=ON  L13/COMPLETE
                SAVE TEMP L14 TRE952MARP/A

     FILE 'STNGUIDE' ENTERED AT 15:47:50 ON 26 AUG 2008

     FILE 'REGISTRY' ENTERED AT 15:48:29 ON 26 AUG 2008
                D STAT QUE L8

     FILE 'CAPLUS' ENTERED AT 15:48:29 ON 26 AUG 2008
                D QUE NOS L10

     FILE 'MARPAT' ENTERED AT 15:48:29 ON 26 AUG 2008
                D QUE NOS L14

     FILE 'CAPLUS, MARPAT' ENTERED AT 15:48:29 ON 26 AUG 2008
L15          18 DUP REM L10 L14 (1 DUPLICATE REMOVED)
                     ANSWER '1' FROM FILE CAPLUS
                     ANSWERS '2-18' FROM FILE MARPAT
                D IBIB ABS HITSTR 1
                D IBIB ABS QHIT 2-18

     FILE 'HOME' ENTERED AT 15:49:06 ON 26 AUG 2008
                D STAT QUE L8

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